# University of North Carolina at Pembroke - Health Science Building

34% Energy Reduction Compared to Baseline \$67,463 Energy Savings in 2013 Compared to Baseline

### **PROJECT DETAILS**

## **DESIGN TEAM**

### **CONTACT**

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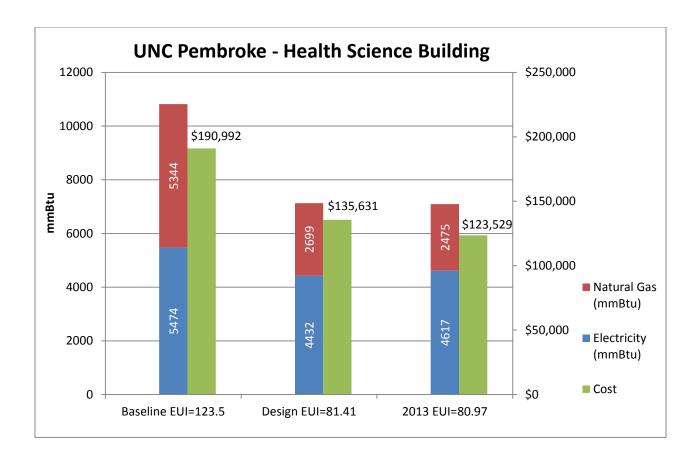












# **Project Description**

- Building HVAC primary cooling system consists of a water-cooled chiller and cooling tower.
- Variable-primary pumping is utilized at the chiller to distribute chilled water to the secondary systems.
- Heating system consists of two condensing gas boilers.
- Modular air handling units with heating coils, cooling coils and variable speed fans are utilized for the secondary systems.
- Variable-secondary pumping is used to distribute hot water.
- Demand control ventilation through CO2 sensors is utilized at each AHU system.
- An airflow monitoring station is used at unit AH-3 to maintain required pressurization at the lab rooms.